

FIG. 1A

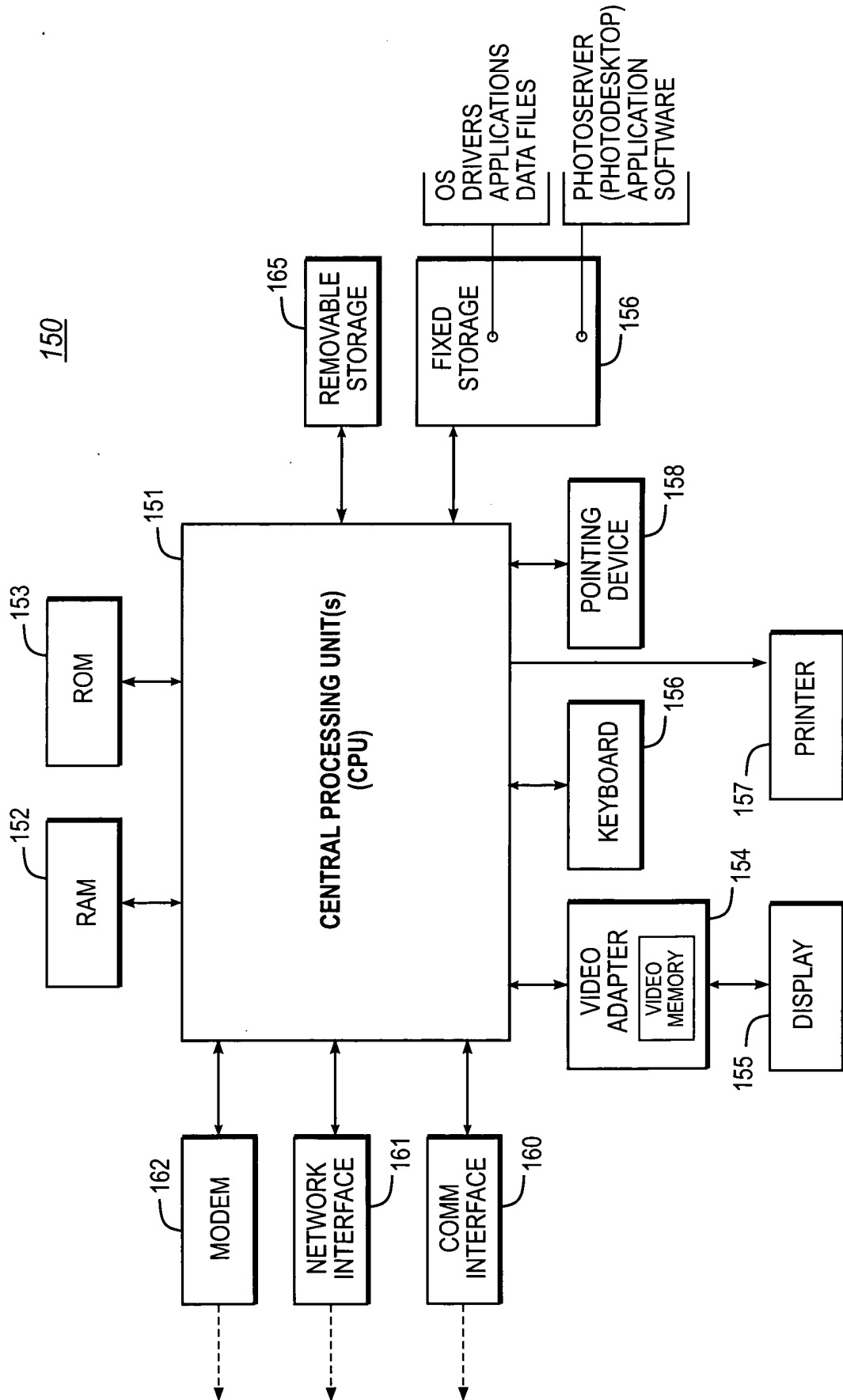


FIG. 1B

200

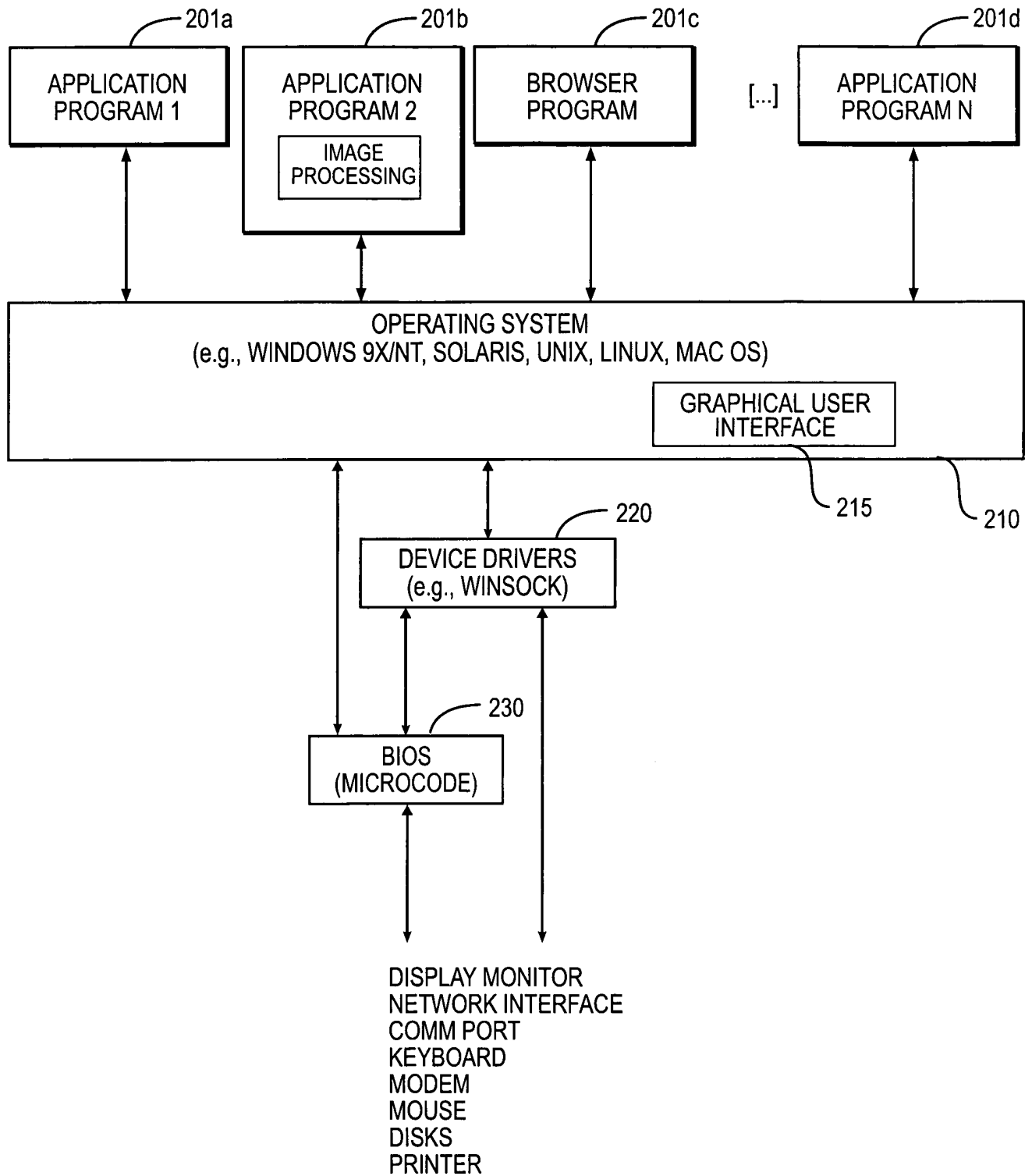


FIG. 2

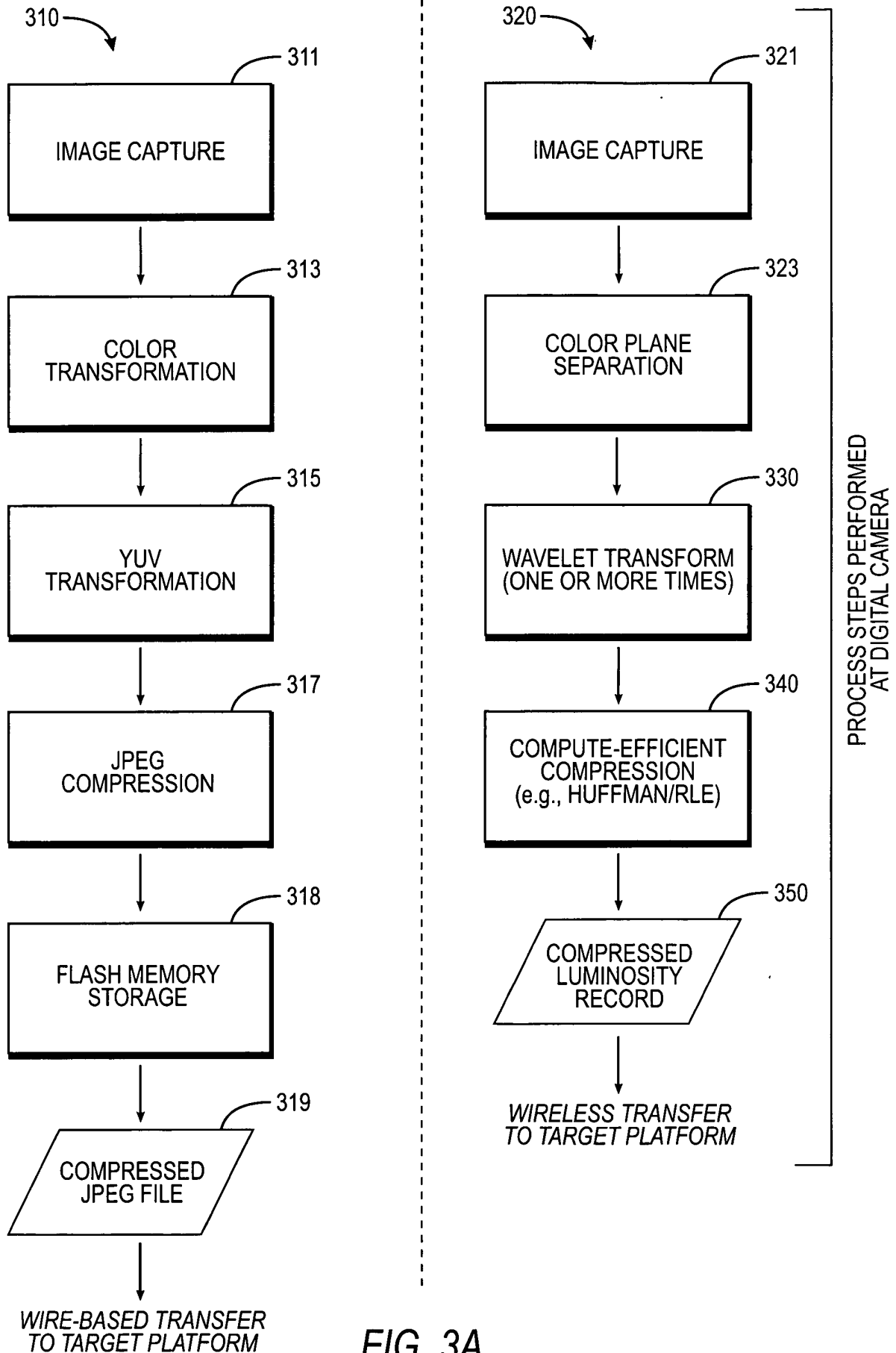


FIG. 3A

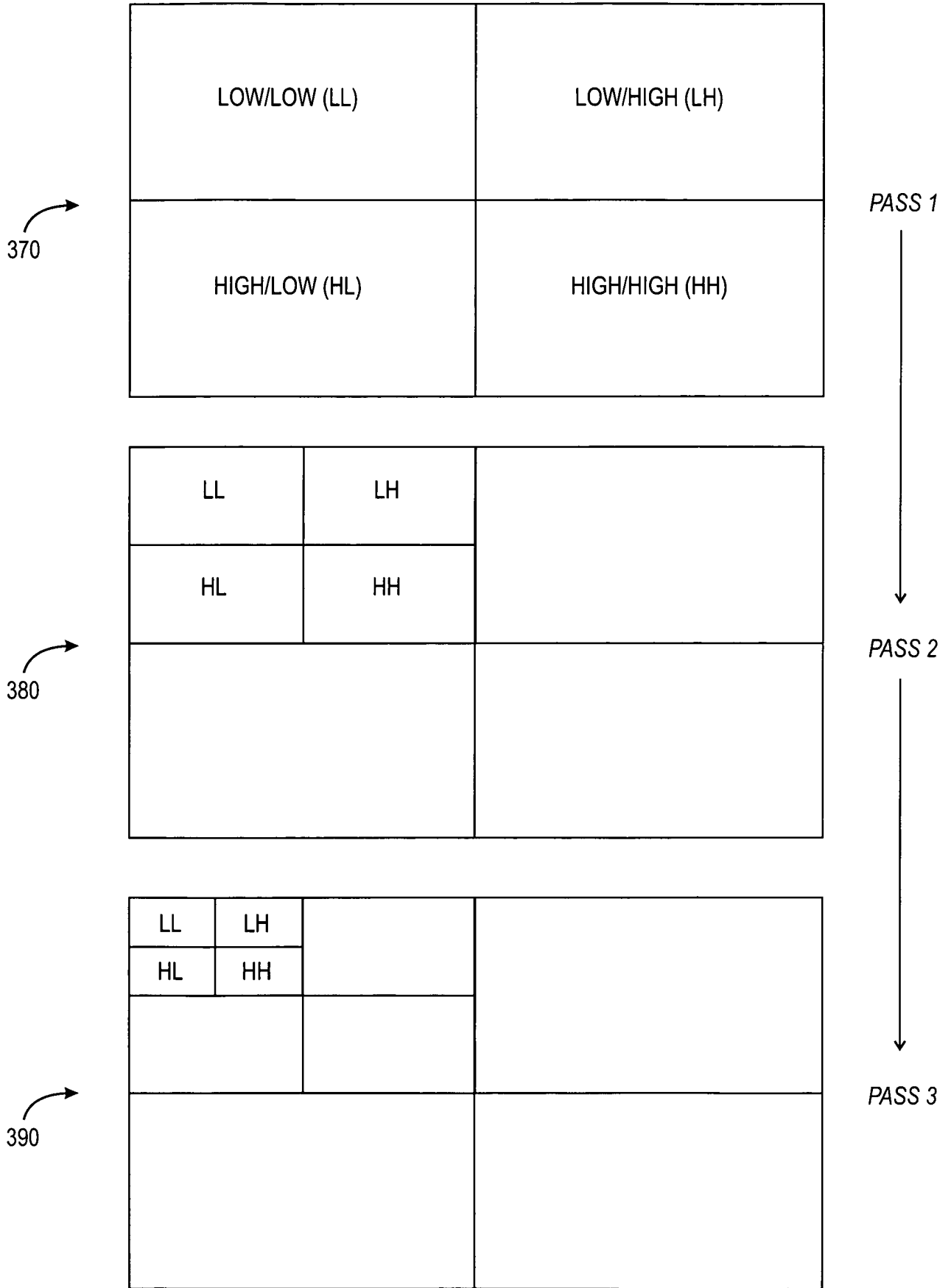


FIG. 3B



FIG. 3C



JPEG
COMPRESSION
(48:1)

FIG. 3D



WAVELET
TRANSFORM
COMPRESSION
(48:1)

FIG. 3E

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FIG. 3F

JPEG
COMPRESSION
(32:1)



FIG. 3G

WAVELET
TRANSFORM
COMPRESSION
(32:1)



FIG. 3H

JPEG
COMPRESSION
(16:1)



FIG. 31

WAVELET
TRANSFORM
COMPRESSION
(16:1)

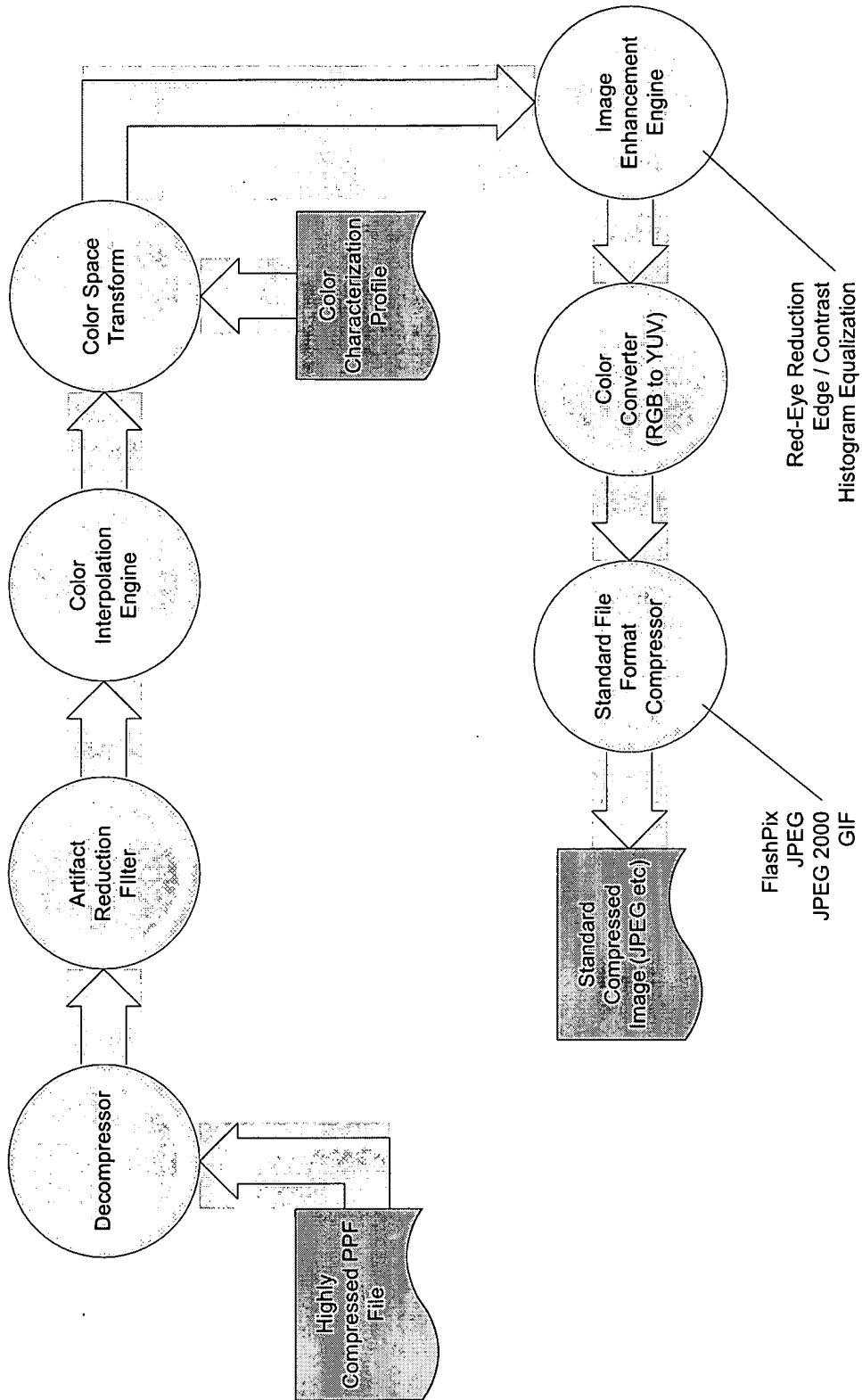


FIG. 4A

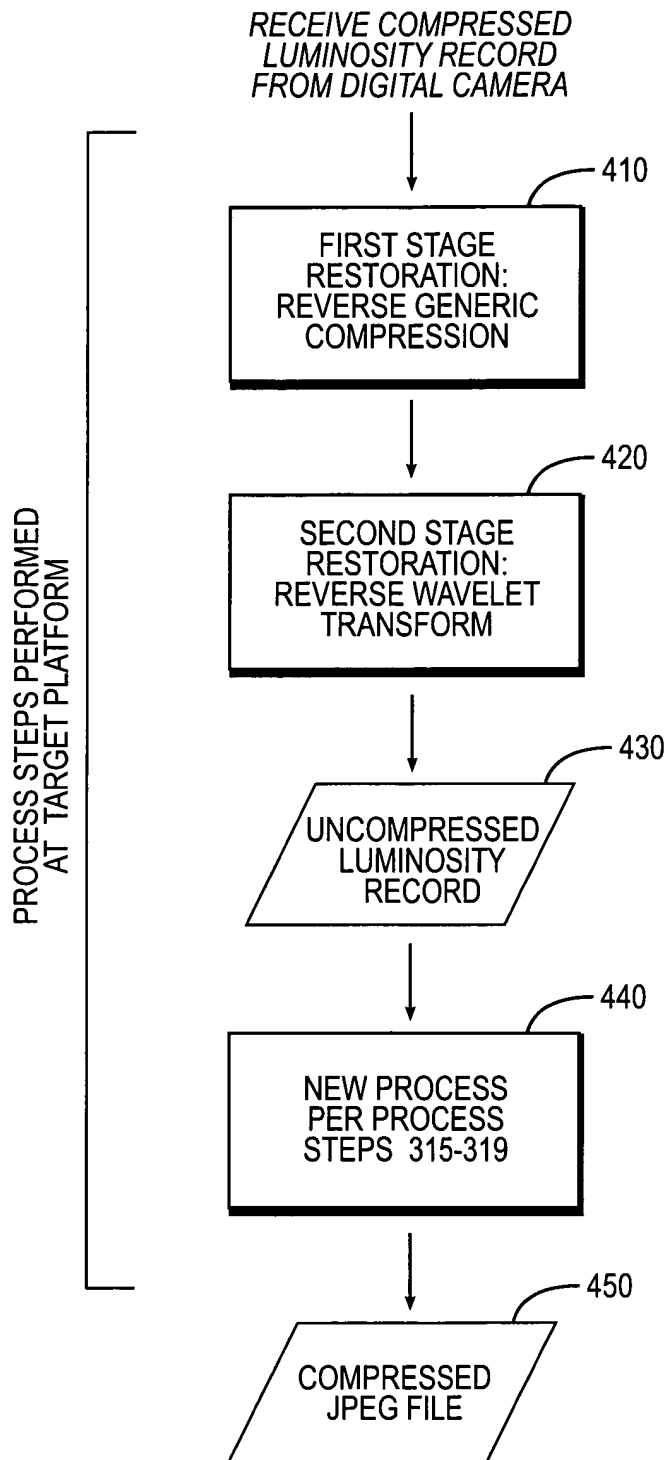


FIG. 4B

REPEATED BAYER COLOR MOSAIC

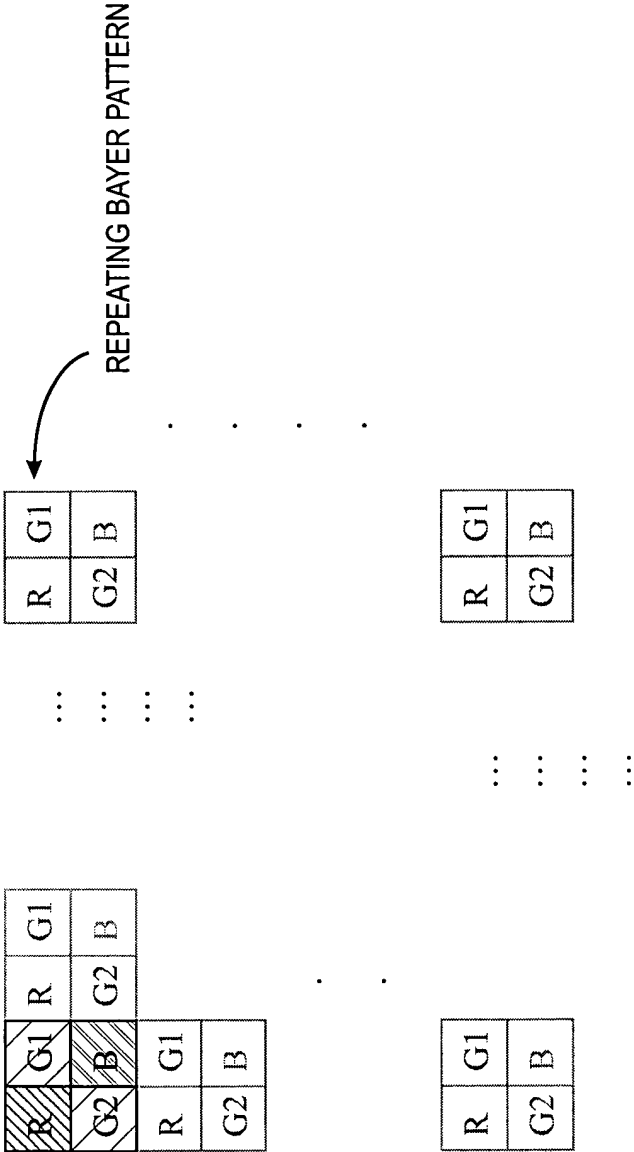


FIG. 5

UV Color Space for $Y=1.0$ (maximum)

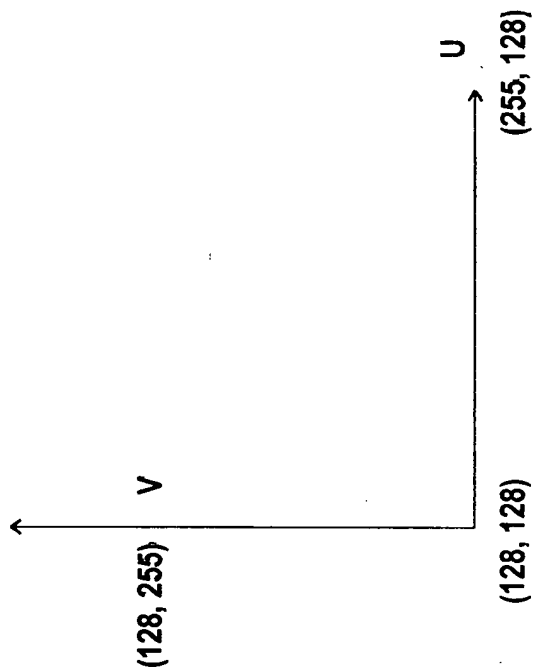


FIG. 6A

ONE CELL OF THE BAYER PATTERN (HATCHED)
AND SOME SURROUNDING PIXELS.

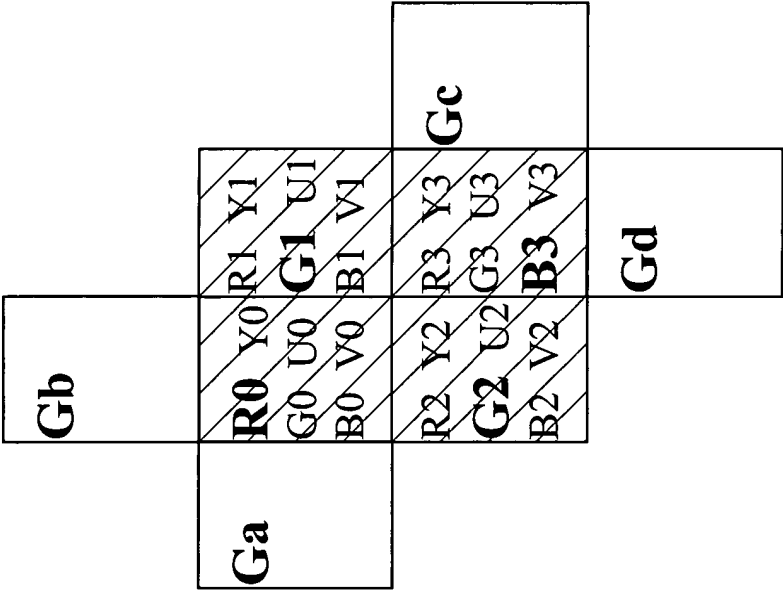


FIG. 6B

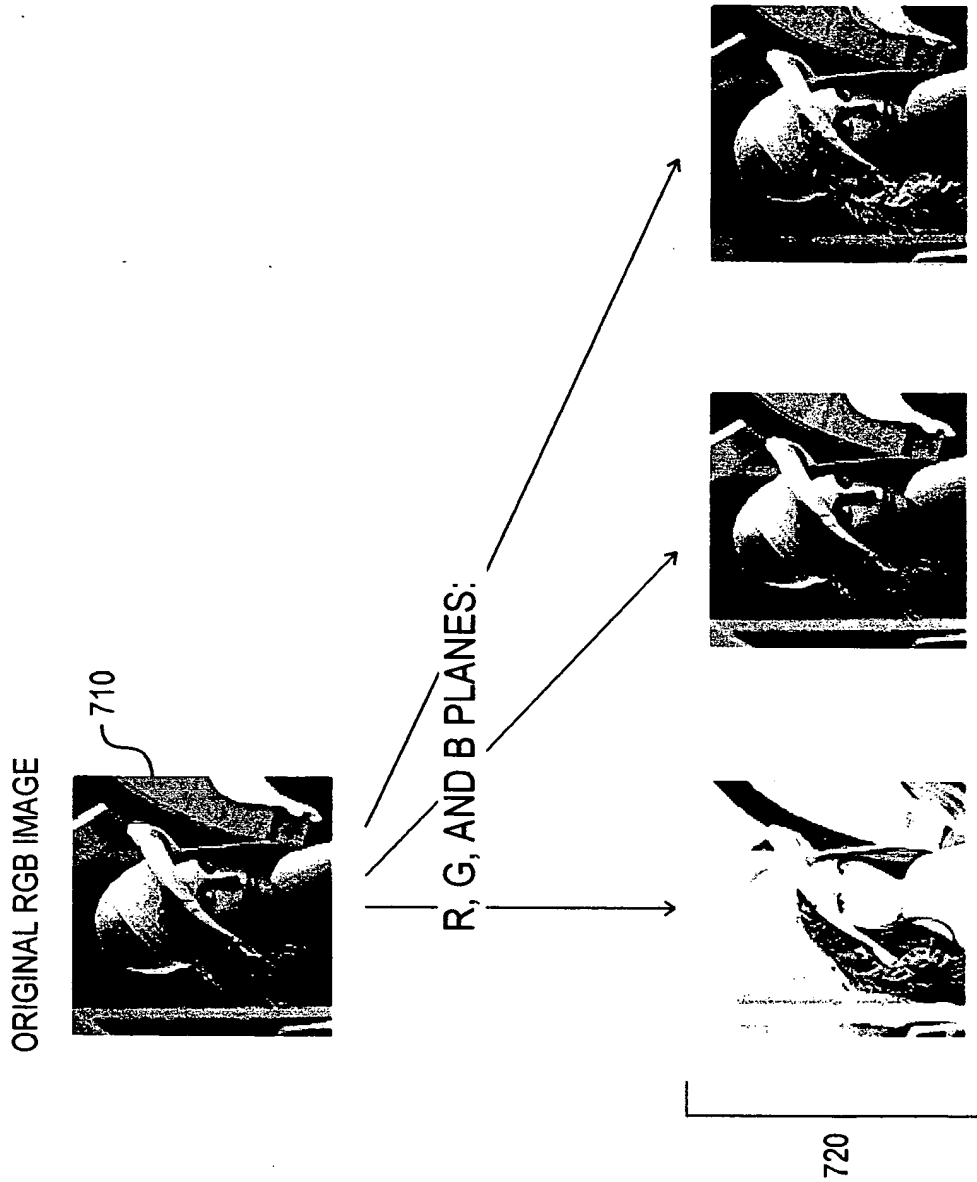


FIG. 7A

R, G, AND B PLANES:



Y, U, and V PLANES:



730

G, U, and V PLANES:

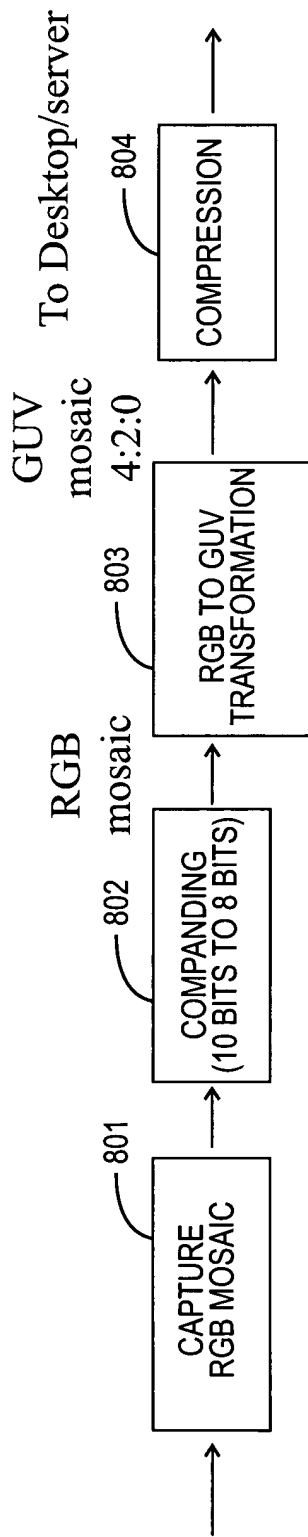


740

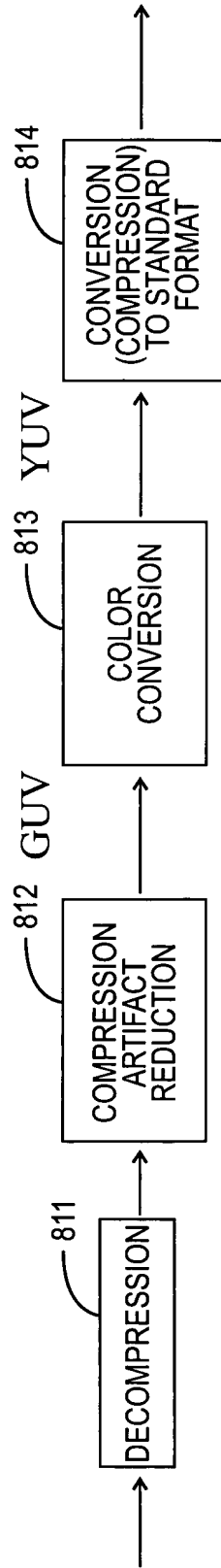
(U and V planes in GUV are approximations of true U and V)

FIG. 7B

LS/0002.00



(a) Imaging Device



(b) Server/desktop

FIG. 8